

2.4a Average Rate of Change

Estimate the velocity at $t=3$ using the data

right hand difference quotient (rhdq)

left hand difference quotient (lhdq)

symmetric difference quotient (sdq)

Aug 24-9:22 AM

Find the regression curve and trace as close as you can to the desired points. Use the regression curve points to estimate velocity.

Aug 26-5:59 PM

A ball is dropped from the top of a 50 ft tower. Its height above ground after t seconds is $50 - 16t^2$. How fast is it falling after 2 seconds?

Aug 24-9:34 AM

The table shows the coordinates of a moving body. Estimate the velocity at $t=2.5$.

t sec	0	.5	1	1.5	2	2.5	3	3.5	4
s (ft)	3.5	-4	-8.5	-10	-8.5	-4	3.5	14	27.5

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